

CLAIMS

1. For the controlled dispensing of fluids from deformable containers, an automatically closing valve formed as a single piece of elastomeric material and comprising a tubular skirt, one end of which is profiled to present an edge engagable in a ring cap to be mounted at a discharge hole provided in each container, the other end of the tubular skirt being closed by a dome or transverse wall in which cuts are provided to define flexible appendices therein, the edges of which are in mutual sealed contact in the closed valve, wherein when the valve is in its rest state, said dome is defined by curved surfaces re-entrant into the interior of the cavity in the tubular skirt which, at least in proximity to said dome, has an annular portion thereof of such a shape and thickness as to enable it to dilate and to flex elastically outwards when the dome passes from its form re-entrant into the skirt, to firstly a flat form and then to a form in which said appendices are flexed outwards, withdrawing from each other, under the thrust of the compressed fluid emerging from the container, said annular portion of the tubular skirt acting with elastic force on said dome to urge it towards its rest position curved in the interior of the tubular skirt and with said flexible appendices sealedly pressed against each other.
2. A valve as claimed in claim 1, wherein said annular portion of the tubular skirt is of small axial extension at and in proximity to said dome or transverse wall.
3. A valve as claimed in claim 1, wherein the thickness of said dome or transverse wall is greater in proximity to the tubular skirt than in the central region of the dome.
4. A valve as claimed in claim 2, wherein the thickness of said dome or transverse wall is greater in proximity to the tubular skirt than in the central region of the dome.